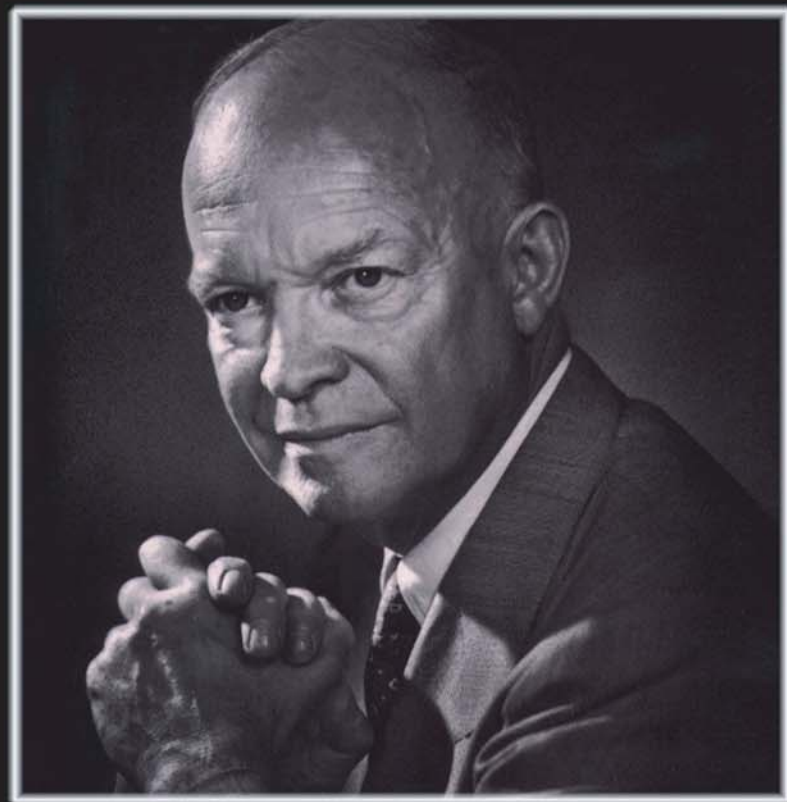
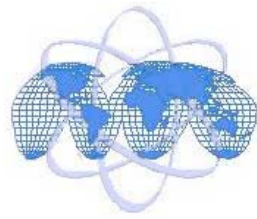


Atoms for Peace After 50 Years: The New Challenges and Opportunities

April 2003

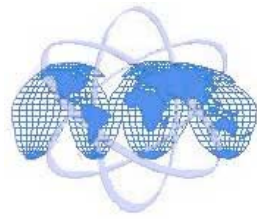
**"...to serve the needs rather
than the fears of mankind."**





Why this “Futures” Project?

- It has been 50 years & a lot has happened
- This is a critical time in terms of:
 - Nonproliferation
 - Nuclear weapons
 - Missile Defense
 - Energy
 - Nuclear Power
 - Climate Change
 - Nuclear Expertise
 - Public Confidence
- Many Future Challenges and Opportunities



Organization

- Parse this very complex system into parts
but

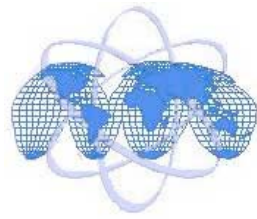
- Not lose track of the entire system
i.e., connections

thus - orient on output - what can change?
and

- think more forward, less backward
- Possible critical issues:

Nuclear Terrorism
“Loose Nukes” and SNM
Waste & Spent Fuel
Public Opinion

Proliferation Tech. Network
Ensuring Compliance
Human Infrastructure
Risk management



Organization

- **Core Group**

Jacques Bouchard

Vic Reis

Atsu Suzuki

Bob Budnitz

Patrick Mendis

Kunihiko Uematsu

Dave Hill

Hermann Grunder

John Ahearne

- **International Security**

Bill Schneider

Len Weiss

Chris Williams

- **Civilian Applications**

John Taylor

Charles Pryor

Per Peterson

Lynn Draper

Alan Waltar

- **Cross-cutting Issues**

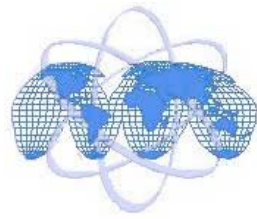
Mike May

Elisabeth Paté-Cornell

Sig Hecker

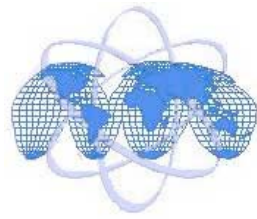
Joonghong Ahn

- **Also an LLNL Team!**



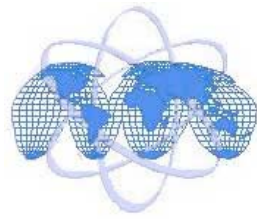
Organization

- **Website to facilitate discussion**
 - <http://cgshr.llnl.gov/atoms.htm>
_____ click on “Members Only”
 - User Name: Ronald, Lehman; Password:cgshr
- **Rolling draft report**
 - Issues, agreements, opinions should become clearer as workshops progress
- **Actionable items**
 - Key actions to better understand and shape the future



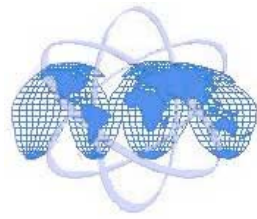
Schedule

- **1st Workshop - International Security**
 - April 8-10, Livermore (Bill Schneider, chair)
- **2nd Workshop - Civilian Application**
 - May 26-29, Shizuoka-ken, Japan (John Taylor)
- **3rd Workshop - Cross-cutting Issues**
 - July 22-24, France (Mike May)
- **Conference on draft report**
 - September 4, Washington
- **Roundtable**
 - November 13-14, LLNL
- **Others? Other places?**



Report

- **Have a rolling report at each workshop and iterate**
 - **distribute 1 week prior**
- **Some overall questions:**
 - What would the speech look like today? What's different?
 - What futures do we consider?
 - How do we show a solid understanding and be brutally honest?
- **Organization**
 - I-III. Introduction
 - IV. Past & Present
 - V-VII. The Future(s)
 - VIII. Dynamic Interactions
 - IX. Integrated Visions
 - X. Actionable Items



Rules

- **Process is “not for attribution”**
 - Tapes will be destroyed
- **In open discussion use your tent to be recognized**
 - Hand for brief comment on the point